

Title (en)

Spool assembly for non-explosive actuators used in electro-mechanical structural separation devices

Title (de)

Gehäuse eines elektromechanischen Aktuators zum Trennen von Strukturbauteilen

Title (fr)

Boîtier de vérin électromécanique utilisé dans la séparation d'éléments de structure

Publication

EP 1426291 A1 20040609 (EN)

Application

EP 03257667 A 20031205

Priority

US 31357302 A 20021206

Abstract (en)

An improved spool assembly (100) for non-explosive actuators used in electromechanical structural separation devices includes two spool halves (110,120) each having external surfaces (113,123) and a generally flat internal surface (114,124), a unitary and integral internal member (140) made of an electrically conductive material and having a link-wire portion (142) and two electrical terminal portions (144,146), and an external wrap-wire (130) wound around the two spool halves (110,120) and having a connecting end (134) connected to the link-wire portion (142) of the unitary and integral internal member (140) such that the wrap-wire (130) tightly binds the two spool halves (110,120) together to form a spool for retaining an external structural member (102). <IMAGE>

IPC 1-7

B64G 1/64; G05G 17/00; H01H 71/18

IPC 8 full level

B64G 1/64 (2006.01); **G05G 17/00** (2006.01); **B64G 1/22** (2006.01)

CPC (source: EP US)

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Citation (search report)

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